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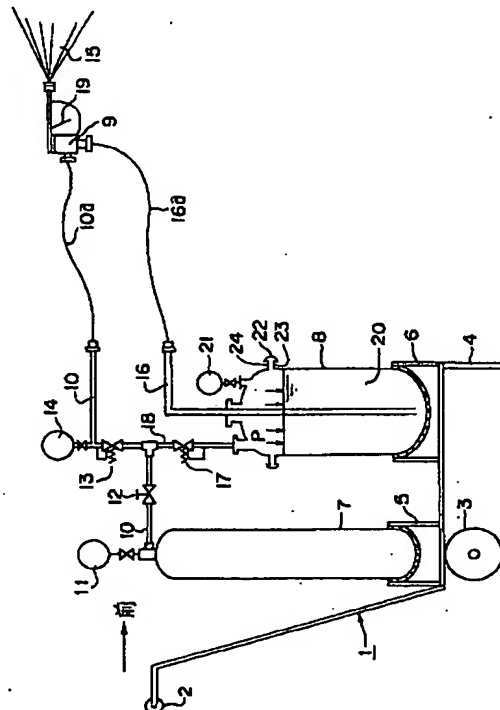
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(54)【考案の名称】 移動式消毒用スプレー装置

(57)【要約】

【目的】 コードを引き摺ることなく、どこへでも運び、消毒作業ができるようにすることを目的としている。

【構成】 汚染源とならないガスを充填したガスボンベと消毒液タンクとを乗せた手押車と、上記ガスボンベの上端部と消毒液タンクの底部にそれぞれ第1、第2の配管を介して接続された手持式のスプレーガンと、上記ガスボンベの上端部を消毒液タンクの上部につなぐ第3配管とを有し、第1配管でスプレーガンへ供給されるガスにより第2配管でスプレーガンへ供給される消毒液を霧化するようにした移動式消毒用スプレー装置である。



【実用新案登録請求の範囲】

【請求項 1】 汚染源とならないガスを充填したガスボンベと消毒液タンクとを乗せた手押車と、上記ガスボンベの上端部と消毒液タンクの底部にそれぞれ第 1、第 2 の配管を介して接続された手持式のスプレーガンと、上記ガスボンベの上端部を消毒液タンクの上部につなぐ第 3 配管とを有し、第 1 配管でスプレーガンへ供給されるガスにより第 2 配管でスプレーガンへ供給される消毒液を霧化するようにした移動式消毒用スプレー装置。

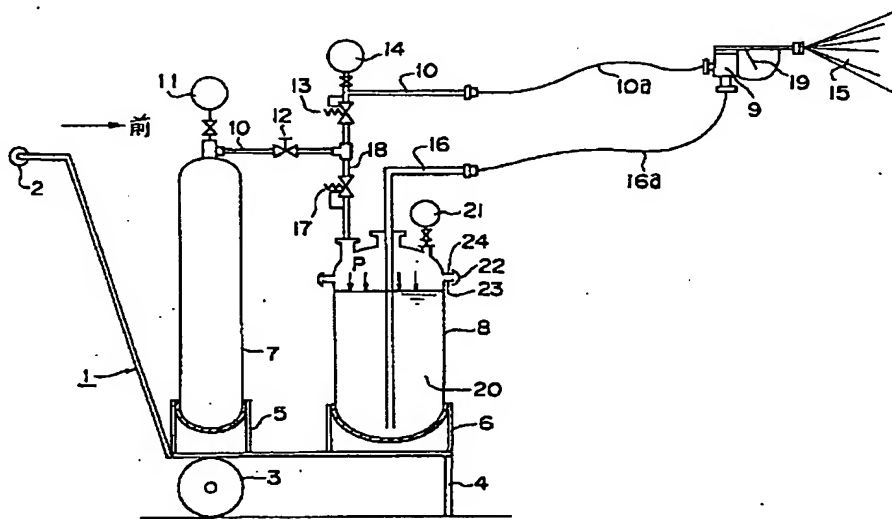
【図面の簡単な説明】

【図 1】 装置の一部縦断正面図である。

【符号の説明】

1	手押車
7	ガスボンベ
8	消毒液タンク
9	スプレーガン
10	第 1 配管
16	第 2 配管
18	第 3 配管
10 20	消毒液

【図 1】



【考案の詳細な説明】**【0001】****【産業上の利用分野】**

本考案は、病院において院内感染を防止する必要がある集中管理室等のクリーンルームの壁やコーナ部を簡単に消毒滅菌するための移動式消毒用スプレー装置に関する。

【0002】**【従来技術】**

従来は消毒液のスプレーのために動力（モータ）が必要であったため、床上のコードを移動させなければならず、コードが汚染源となりやすく、しかも作業性が悪いという不具合があった。

【0003】**【考案の目的】**

本考案はコードを引き摺ることなく、どこへでも運び、消毒作業ができるようにすることを目的としている。

【0004】**【考案の構成】**

本考案は汚染源とならないガスを充填したガスボンベと消毒液タンクとを乗せた手押車と、上記ガスボンベの上端部と消毒液タンクの底部にそれぞれ第1、第2の配管を介して接続された手持式のスプレーガンと、上記ガスボンベの上端部を消毒液タンクの上部につなぐ第3配管とを有し、第1配管でスプレーガンへ供給されるガスにより第2配管でスプレーガンへ供給される消毒液を霧化するようにした移動式消毒用スプレー装置である。

【0005】**【実施例】**

図1の手押車1は本体の後端部に手で押すための取手2と1対の車輪3を備え、前端部に本体を水平に保持するための支脚4を備え、本体上の支え台5、6にガスボンベ7と消毒液タンク8が乗せてある。ガスボンベ7は窒素又はアルゴンのような汚染源とならない不活性ガスを内蔵し、容量は5～6kg、大きいもの

で20kg、圧力は7~10kg/mm²が適している。ガスボンベ7の上端部は第1配管10（可撓性を有するホース部分10aを含む）を介して手持式のスプレーガン9へ接続し、第1配管10の途中にはガスボンベ7側から順次圧力計11、使用開始直前に手で開くストップ弁12、予め開度が設定されている減圧弁13、圧力計14が配置されている。消毒液タンク8は容量25リットル程度のステンレス製で、底部は第2配管16（可撓性を有するホース部分16aを含む）を介して手持式のスプレーガン9へ接続し、上端部には、ストップ弁12と減圧弁13の間の第1配管10から分岐して途中に予め開度が設定されている減圧弁17を有する第3配管18が接続している。スプレーガン9は本体を例えば右手で持ち、レバー19を指で引くことにより第1配管10と第2配管16が開き、第1配管10でスプレーガン9へ供給されるガスにより第2配管16でスプレーガン9へ供給される消毒液が霧化（スプレー15）するようになっており、一般的なアトマイザーと同じ構造である。20は塩素系等の消毒液、21は圧力計、22はバンドで、このバンド22はタンク8の本体上端部のフランジ23と蓋下端部のフランジ24を密着状態に締め上げており、バンド22を緩めてタンク8を上下に分割することにより、内部の洗浄が容易に行なえる。

【0006】

集中管理室の日常の滅菌を行なう時には、作業者が取手2を押し下げ、車輪3により手押車1を目的の場所へ運び、ストップ弁12を開くと、ガスボンベ7内のガス圧力Pが第3配管18をへて消毒液20の液面に作用する。その状態でスプレーガン9の本体を右手で掴み、スプレーガン9のノズルを目的の方へ向けてレバー19を指で引くことによりスプレー15を掛けることができる。

【0007】

【考案の効果】

本考案によるとコードを引き摺ることなく、どこへでも運び、消毒作業ができるようになる。即ちタンク8内の消毒液20をガス圧力Pで第2配管16へ送り出し、第1配管10からの高圧ガスによりスプレーガン9の部分で霧化させることができ、動力を必要としないため、どこへでも簡単に運ぶことができ、消毒液20の霧化も効率良く行なえる利点がある。構造簡単のため、製造も容易である

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CLAIMS

[Utility model registration claim]

[Claim 1] The hand truck which put the gas bomb filled up with the gas used as a pollution source, and the antibacterial tank, The stock-type spray gun connected to the upper bed section of the above-mentioned gas bomb, and the pars basilaris ossis occipitalis of an antibacterial tank through the 1st and 2nd piping, respectively, Spray equipment for portable type disinfection which atomized the antibacterial supplied to a spray gun for the 2nd piping by the gas which has the 3rd piping which connects the upper bed section of the above-mentioned gas bomb with the upper part of an antibacterial tank, and is supplied to a spray gun for the 1st piping.

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DETAILED DESCRIPTION

[Detailed explanation of a design]

[0001]

[Industrial Application]

This design is related with the spray equipment for portable type disinfection for carrying out disinfection sterilization of the walls and the corner sections of a clean room, such as a centralized-control room with the need of preventing a hospital infection in a hospital, simply.

[0002]

[Description of the Prior Art]

Conventionally, for the spray of an antibacterial, since power (motor) was required, the code above the floor level had to be moved, a code tended to become a pollution source, and, moreover, there was nonconformity that workability was bad.

[0003]

[The object of a design]

Without dragging a code, this design is carried anywhere and aims at disinfection being made to be possible.

[0004]

[The configuration of a design]

The hand truck which put the gas bomb filled up with the gas by which this design does not serve as a pollution source, and the antibacterial tank, The stock-type spray gun connected to the upper bed section of the above-mentioned gas bomb, and the pars basilaris ossis occipitalis of an antibacterial tank through the 1st and 2nd piping, respectively, It is spray equipment for portable type disinfection which atomized the antibacterial supplied to a spray gun for the 2nd piping by the gas which has the 3rd piping which connects the upper bed section of the above-mentioned gas bomb with the upper part of an antibacterial tank, and is supplied to a spray gun for the 1st piping.

[0005]

[Example]

The hand truck 1 of drawing 1 is equipped with the hand hold 2 for pushing on the back end section of a body by hand, and one pair of wheels 3, it has the leg 4 for holding a body horizontally in the front end section, and the gas bomb 7 and the antibacterial tank 8 are put on the supporters 5 and 6 on a body. A gas bomb 7 contains the inert gas used as a pollution source like nitrogen or an argon, capacity is 5-6kg and a large thing, and, as for 20kg and a pressure, 2 [7-10kg / /] is suitable mm. The upper bed section of a gas bomb 7 is connected to the stock-type spray gun 9 through the 1st piping 10 (hose partial 10a which has flexibility is included), and the pressure gage 11, the stop valve 12 opened manually just before the beginning of using, the reducing valve 13 with which the opening is set up beforehand, and the pressure gage 14 are arranged one by one from the gas bomb 7 side in the middle of the 1st piping 10. The antibacterial tank 8 is a product made from stainless steel with a capacity of about 25L., it connected with the stock-type spray gun 9 through the 2nd piping 16 (hose partial 16a which has flexibility is included), and the 3rd piping 18 which has the reducing valve 17 with which it branches

from the 1st piping 10 between a stop valve 12 and a reducing valve 13, and the opening is set up beforehand on the way has connected the pars basilaris ossis occipitalis to the upper bed section. A spray gun 9 has a body with the right hand, and the antibacterial by which the 1st piping 10 and the 2nd piping 16 are supplied to a spray gun 9 for the 2nd piping 16 by lengthening a lever 19 with a finger by the aperture and the gas supplied to a spray gun 9 for the 1st piping 10 atomizes it (spray 15), and it is the same structure as a common atomizer. As for the antibacterial of *****, and 21, 20 is [a manometer and 22] bands, and this band 22 is screwing up the flange 23 of the body up edge of a tank 8, and the flange 24 of the lid soffit section in the adhesion condition, and can wash the interior easily by loosening a band 22 and dividing a tank 8 up and down.

[0006]

If an operator depresses a hand hold 2, carries a hand truck 1 to the target location by the wheel 3 and opens a stop valve 12 when performing everyday sterilization of a centralized-control room, gas pressure P in a gas bomb 7 will act on the oil level of an antibacterial 20 through the 3rd piping 18. The body of a spray gun 9 can be held with the right hand in the condition, and a spray 15 can be hung by turning the nozzle of a spray gun 9 to target one, and lengthening a lever 19 with a finger.

[0007]

[Effect of the Device]

It carries anywhere and disinfection becomes possible [without dragging a code according to this design]. That is, since the antibacterial 20 in a tank 8 can be sent out to the 2nd piping 16 by gas pressure P, it can be made to atomize in the part of a spray gun 9 with the high pressure gas from the 1st piping 10 and power is not needed, it can carry easily anywhere and there is an advantage which can also perform atomization of an antibacterial 20 efficiently. structure -- since it is easy, manufacture is also easy.

[Translation done.]

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TECHNICAL FIELD

[Industrial Application]

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EFFECT OF THE INVENTION

[Effect of the Device]

It carries anywhere and disinfection becomes possible [without dragging a code according to this design]. That is, since the antibacterial 20 in a tank 8 can be sent out to the 2nd piping 16 by gas pressure P, it can be made to atomize in the part of a spray gun 9 with the high pressure gas from the 1st piping 10 and power is not needed, it can carry easily anywhere and there is an advantage which can also perform atomization of an antibacterial 20 efficiently. structure -- since it is easy, manufacture is also easy.

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EXAMPLE

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] some equipments -- it is a vertical section front view.

[Description of Notations]

- 1 Hand Truck
- 7 Gas Bomb
- 8 Antibacterial Tank
- 9 Spray Gun
- 10 1st Piping
- 16 2nd Piping
- 18 3rd Piping
- 20 Antibacterial

[Translation done.]

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